

Product datasheet for **RG239478**

INPP5B (NM_001297434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP5B (NM_001297434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	INPP5B
Synonyms:	5PTase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG239478 representing NM_001297434.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCTGCCGCCCGCGCTCTCGGGAGCGCAACACTGCAGGTGGTTCTAACTTTGATGGTTTGAGACCA
AATGGGAAGGGAGTGCCTATGGACCAAAGCTCCAGGGTCAAGATAAACCAGAAAGCTTGAACCAAGA
CAGAATAAATCCAAGTCCGAAATTAAGTACATGGTTTCGCTCCTCCACTATCACAGTGTGGACAAGGCT
CATATTTTATCCATGCAGAAGTTTGACTGCGAGATACAATTGTGAAATCACATCTACTACAGAAAGAA
GAGGATTACACTATATCCAGAACTTCAGGTTTTTTGCGGGAACATACAATGTAATGGGCAGTCCCCC
AAAGAATGCCTCCGGCTGTGGCTGAGCAATGGTATCCAGGCCCCAGATGTCTATTGTGTAGGGTTCCAG
GAGCTTGATCTGAGTAAGGAAGCTTTTTCTTTCACGATACCCAAAGGAGGAAGAGTGGTTCAAAGCT
GTGTCAGAGGGTCTTCATCCAGATGCCAAATATGCAAAGGTGAAGCTTATCCGACTGGTTGGGATTATG
CTGCTGTTATATGTCAAACAGGAGCATGCAGCTTATATCTCAGAAGTGAAGCCGAGACTGTGGGGACA
GGATCATGGGGAGGATGGGCAACAAGGGAGGCGTGGCGATCAGGTTCCAGTTCACAACACCAGCATC
TGCCTTGTGAATTCTCACTTGGCAGCCACATTGAAGAGTATGAGAGGAGGAACAGGACTATAAGGAC
ATTTGTTCTCGAATGCAGTTTTGTGAGCCTGACCCAAGCCTTCCCCTCTCACCATCAGCAACCATGAT
GTGATCTTGTGGCTGGGGACCTCAACTACAGGATAGAAGAGCTGGATGTGAAAAAGTAAAAAGCTC
ATCGAAGAGAAGGACTTTCAAAATGCTGTATGCATATGATCAGTGAAAAATTCAGGTGGCCGCAAAGACT
GTCTTTGAAGGCTTCACAGAGGGTGAGCTCACATTCCAGCCTACTTACAAGTATGATACGGGCTCTGAC
GACTGGGATACCAGTGAGAAGTGCCGTGCTCCTGCCTGGTGTGATCGGATTTCTTGAAAAGGGAAGAAC
ATCACTCAGCTGAGTTACCAGAGCCACATGGCCCTGAAGACCAGTGACCACAAGCCTGTCAGCTCAGTG
TTTGACATCGGGGTGAGGTCGTAATGACGAGCTTTACCGGAAGACACTGGAGGAAATTTGTCGCTCC
CTGGATAAGATGGAAAATGCCAACATTCCTTCTGTGTCCTGTCCAAGCGAGAGTTCTGTTTTCAGAAT
GTGAAGTACATGCAATTGAAAGTGAATCCTTTACAATTCATAATGGACAAGTACCCTGTCAATTTGAA
TTCATCAACAAGCCTGATGAAGAGTCTTACTGTAAGCAGTGGTGAATGCCAACCCAGCAGAGGCTTC
CTCCTGCCAGATTCTGATGTTGAGATTGACTTGGAGCTTTCGTAATAAGATGACAGCTACAAAGCTC
AACTCGGGTGAAGACAAAATTGAGGACATTCTGGTTCTGCACTTGGACAGGGGAAAGGATTACTTTTTG
TCTGTGCTGGGAACTACCTGCCAGCTGTTTTGGGTCTCCATTACACTGTGTACATGAGAGAG
CCAATCTTGGACCTACCCTTGAACCATTAGTGAGCTGACTCTGATGCCAGTATGGACTGGAGATGAT
GGGAGCCAGTTGGATAGCCCATGGAAATCCCCAAAGAGCTCTGGATGATGGTTGATTACCTGTACCGA
AATGCTGTCCAGCAGGAAGATCTGTTTCAGCAACCAGGCCTGAGGTCAGAATTTGAACATATCAGGGAC
TGCTTGGATACTGGAATGATTGATAACCTCTCTGCCAGCAATCATTCTGTAGCCGAGCCCTGCTGCTT
TTCTGGAGAGCCTTCCAGAGCCTGTCATCTGTTACAGCACCTACCATAACTGCTTGGAGTGTCTGGC
AACTACACAGCAAGCAAACAGGTCATTTCTACTCTCCCATATTCACAAAAATGTCTTCCACTACTTG
ATGGCGTTTTTGGCAGAACTGCTGAAAAATTGACAAAAAATCATTGATGAGAATATTCTAGCTAGC
ATATTTGGCAGCTTATTGCTTCGAAACCCAGCTGGTCACCAAAAGCTTGATATGACAGAGAAGAAGAG
GCTCAAGAATTTATCCAGTTCCTCTGCAACCCACTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG239478
 Blue=ORF Red=Cloning site Green=Tag(s)

MSAAAGSRERNTAGGSNFDGLRPNKGVPMDQSSRGQDKPESLQPRQNKSKSEITDMVRSSTITVSDKA
 HILSMQKFGLRDTIVKSHLLQKEEDYTYIQNFRFFAGTYNVNGQSPKECLRLWLSNGIQAPDVYCVGFQ
 ELDLSKEAFFFHDTPKEEEFKAVSEGLHPDAKYAKVKLIRLVGIMLLL YVKQEHAAYISEVEAETVGT
 GIMGRMGNGGGVAIRFQFHNTSICVYNHSLAAHIEEYERRNQDYKDCSRMQFCQPDPSLPLTISNHD
 VILWLGDLNRYIEELDVEKVKLIEEKDFQLYADQLKIQAAKTVFEGFTEGELTFQPTYKYDTGSD
 DWDTSEKCRAPAWCDRILWKGKNIQLSYQSHMALKTSDHKPVSSVFDIGVRVNDLRYRKTLEEIVRS
 LDKMENANIPSVLSKREFCFQNVKYMQLKVESFTIHNGQVPCHFEEINKPDEESYCKQWLNANPSRGF
 LLPDSVVEIDLELFVNKMTATKLNSEDKIEDILVHLDRGKDYFLSVSGNYLPSCFGSPHITLCYMR
 PILDPLETISELTLMPVWTGDDGSQLDSPMEIPKELWMMVDYL YRNAVQQEDLFQQPLRSEFEHIRD
 CLDTGMIDNLSASNHSVAEALLLFLESLPEPVICYSTYHNCLCSGNYTASKQVISTLPIFKHNVFHYL
 MAFLRELLKNSAKNHLDENILASIFGSLLRNPAGHQKLDMTEKKAQEFIHQFLCNPL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297434

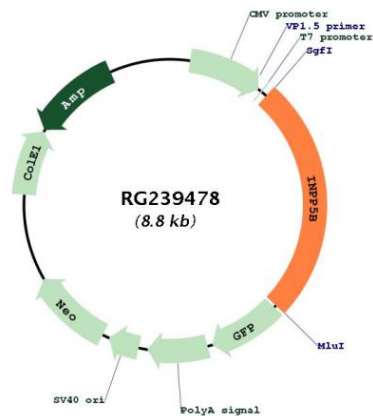
ORF Size: 2247 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq:	NM_001297434.2
RefSeq Size:	3962 bp
RefSeq ORF:	2250 bp
Locus ID:	3633
UniProt ID:	P32019
Cytogenetics:	1p34.3
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	86.1 kDa
Gene Summary:	This gene encodes a member of a family of inositol polyphosphate-5-phosphatases. These enzymes function in the regulation of calcium signaling by inactivating inositol phosphates. The encoded protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG239478